

# **NOTIFICATION OF ADDENDUM**

## **ADDENDUM NO. 1**

**DATED 2/27/2013**

<b>Control</b>	<b>1978-01-053</b>
<b>Project</b>	<b>STP 2013(458)</b>
<b>Highway</b>	<b>FM 1938</b>
<b>County</b>	<b>TARRANT</b>

Ladies/Gentlemen:

Attached please find an addendum on the above captioned project. Included in the attachment is an addendum notification which details the changes and the respective proposal pages which were added and/or changed.

Except for new bid insert pages, it is unnecessary to return any of the pages attached.

Bid insert pages must be returned with the bid proposal submitted to the Department, unless your firm is submitting a bid using a computer print out. The computer print out must be changed to reflect the new bid item information.

Contractors and material suppliers, etc. who have previously been furnished informational proposals are not being furnished a copy of the addendum. If you have a subcontractor on the above project, please advise them of this addendum. Acknowledgment of this addendum is not requested if your company has been issued a proposal stamped "This Proposal Issued for Informational Purposes."

You are required to acknowledge receipt of this addendum on the Addendum Acknowledgement form contained in your bid proposal by placing a mark in the box next to the respective addendum.

Failure to Acknowledge receipt of this addendum in your bid proposal will result in your bid not being read.

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: STP 2013(458)

CONTROL: 1978-01-053

COUNTY: TARRANT

LETTING: 03/07/2013

REFERENCE NO: 0227

**PROPOSAL ADDENDUMS**

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\_ PROPOSAL COVER

X BID INSERTS (SH. NO.: 4-4

)

X GENERAL NOTES (SH. NO.: B

)

X SPEC LIST (SH. NO.: 2-3

)

X SPECIAL PROVISIONS:

ADDED: 6834--002

DELETED: 6834--001

\_ SPECIAL SPECIFICATIONS:

ADDED:

DELETED:

X OTHER: SEE CHANGES OUTLINED BELOW

DESCRIPTION OF ABOVE CHANGES

(INCLUDING PLANS SHEET CHANGES)

BID INSERTS

SHEET 4-4; REPLACE 6834--001 WITH 6834--002

GENERAL NOTES

SHEET B; REVISED NOTE FOR ITEM 354

SPEC LIST

SHEET 2-3; REPLACE 6834--001 WITH 6834--002

PLAN SHEETS

THE FOLLOWING SHEETS WERE REPLACED;

3 AND 4A

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	351	2002		FLEXIBLE PAVEMENT STRUCTURE REPAIR(6")  DOLLARS CENTS and	SY	3,000.000	1
	354	2045		PLANE ASPH CONC PAV (2")  DOLLARS CENTS and	SY	179,593.000	2
	500	2001	011	MOBILIZATION  DOLLARS CENTS and	LS	1.000	3
	502	2001	033	BARRICADES, SIGNS AND TRAFFIC HAN- DLING  DOLLARS CENTS and	MO	5.000	4
	662	2001		WK ZN PAV MRK NON-REMOV (W) 4" (BRK)  DOLLARS CENTS and	LF	20,164.000	5
	662	2004		WK ZN PAV MRK NON-REMOV (W) 4" (SLD)  DOLLARS CENTS and	LF	3,000.000	6
	662	2012		WK ZN PAV MRK NON-REMOV (W) 8" (SLD)  DOLLARS CENTS and	LF	5,400.000	7
	662	2014		WK ZN PAV MRK NON-REMOV (W) 12" (SLD)  DOLLARS CENTS and	LF	3,096.000	8
	662	2016		WK ZN PAV MRK NON-REMOV (W) 24" (SLD)  DOLLARS CENTS and	LF	874.000	9
	662	2017		WK ZN PAV MRK NON-REMOV (W) (ARROW)  DOLLARS CENTS and	EA	98.000	10

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	662	2032		WK ZN PAV MRK NON-REMOV (Y) 4" (SLD) DOLLARS and CENTS	LF	47,400.000	11
	662	2113		WK ZN PAV MRK SHT TERM (TAB) TY W DOLLARS and CENTS	EA	58,422.000	12
	662	2114		WK ZN PAV MRK SHT TERM (TAB) TY Y DOLLARS and CENTS	EA	58,422.000	13
	666	2003		REFL PAV MRK TY I (W) 4" (BRK)(100MIL) DOLLARS and CENTS	LF	21,000.000	14
	666	2012		REFL PAV MRK TY I (W) 4" (SLD)(100MIL) DOLLARS and CENTS	LF	3,000.000	15
	666	2036		REFL PAV MRK TY I (W) 8" (SLD)(100MIL) DOLLARS and CENTS	LF	5,400.000	16
	666	2111		REFL PAV MRK TY I (Y) 4" (SLD)(100MIL) DOLLARS and CENTS	LF	47,400.000	17
	666	2132		REFL PAV MRK TY I (Y) 24"(SLD)(100MIL) DOLLARS and CENTS	LF	100.000	18
	668	2103		PREFAB PAV MRK TY C (W) (12") (SLD) DOLLARS and CENTS	LF	3,096.000	19
	668	2105		PREFAB PAV MRK TY C (W) (24") (SLD) DOLLARS and CENTS	LF	874.000	20
	668	2106		PREFAB PAV MRK TY C (W) (ARROW) DOLLARS and CENTS	EA	98.000	21

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	668	2116		PREFAB PAV MRK TY C (W) (WORD) DOLLARS and CENTS	EA	98.000	22
	672	2015	034	REFL PAV MRKR TY II-A-A DOLLARS and CENTS	EA	760.000	23
	672	2017	034	REFL PAV MRKR TY II-C-R DOLLARS and CENTS	EA	1,050.000	24
	680	2003		INSTALL HWY TRF SIG (SYSTEM) DOLLARS and CENTS	EA	2.000	25
	690	2009		REMOVAL OF CABLES DOLLARS and CENTS	LF	4,000.000	26
	690	2011		INSTALL OF CABLES DOLLARS and CENTS	LF	2,000.000	27
	690	2038		REMOVAL OF CONTROL CABINET (GRND MNT) DOLLARS and CENTS	EA	1.000	28
	3268	2042		D-GR HMA TY-D SAC-B PG70-22 DOLLARS and CENTS	TON	20,653.000	29
	6006	2001		SPREAD SPECTRUM RADIO DOLLARS and CENTS	EA	2.000	30
	6006	2002		COAXIAL CABLE DOLLARS and CENTS	LF	200.000	31

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	6006	2005		ANTENNA (UNI-DIRECTIONAL) DOLLARS and CENTS	EA	2.000	32
	6834	2001	002	PORTABLE CHANGEABLE MESSAGE SIGN DOLLARS and CENTS	DAY	86.000	33
	8615	2001		RADAR ADVANCE DETECTION DEVICE DOLLARS and CENTS	EA	4.000	34
	8825	2001		INSTALL OF (RPD) VEHICLE DETECTORS DOLLARS and CENTS	EA	8.000	35

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\*\*\*\* Specification Data \*\*\*\*

Basis of Estimate

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Item	Description	Rate	Unit
3268	Hot Mix (Ty D)	115 lb/SY/in	Ton

**Special Notes:**

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Single lane closures, except as otherwise shown in the plans, will be restricted to off- peak hours as defined in the following table:

Peak Hours		Off-Peak Hours	
6 to 8:30 AM Monday through Friday	3:30 to 7 PM Monday through Friday	8:30AM to 3:30PM Monday through Friday	All day Saturday

All works shall be done during the daylight hours.

Any requests to work other hours shall have written approval of the Engineer before work can start.

On superelevated curves the shoulders shall have the same cross-slope as the pavement, unless otherwise indicated.

On superelevated curves where the grade line is in a sag or on flat grades, overlay the shoulders to the extent necessary to prevent trapping of water on the high side.

Take care that existing curb and curb and gutter is not discolored or damaged during construction operations. In the event of discoloration or damage, clean or repair as directed.

Remove the grass from the crown of shoulders or pavement edges by blading or other approved methods. Payment for this work will not be made directly but shall be considered subsidiary to the various items of the contract.

Provide temporary drain openings at all low points or other drainage structures, as required, at the Contractor's expense.

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Remove any obstructions to existing drainage due to the contractor's operations, as required, at the Contractor's expense.

**Item 8. Prosecution and Progress**

Working days will be computed and charged in accordance with Article 8.3.A.1 Five- Day Workweek.

**Item 301. Asphalt Antistripping Agent**

Furnish a liquid antistripping agent unless directed.

**Item 351. Flexible Pavement Structure Repair**

Use the appropriate Department Excel templates to calculate and record all test data. These most recent updated forms are available on the Department's website at [www.txdot.gov/txdot\\_library/consultants\\_contractors/forms/site\\_manager.htm](http://www.txdot.gov/txdot_library/consultants_contractors/forms/site_manager.htm) under the SiteManager tab. Submit test results within 24 hours of test completion by email or CD.

Flexible Pavement Structure Repair shall be limited to the amount that can be inlayed per day and must match existing surface elevation. No exposed drop offs shall be left over night.

**Item 354. Planing and Texturing Pavement**

Stockpile all rap salvaged and not used for this project to the county facility located at the intersection of IH820 and BU287, close by the BNSF Railroad, or as directed by the engineer.

Build stockpiles between 10 and 15 feet in height with layers approximately 2 feet in depth.

**Item 502. Barricades, Signs, and Traffic Handling**

Existing signs are to remain as long as they do not interfere with construction and they do not conflict with the traffic control plan.

Any sign not detailed in the plans but called for in the layout shall be as shown in the current "Standard Highway Sign Designs for Texas".

When traffic is obstructed, arrange warning devices in accordance with arrangements indicated in the latest edition of the "Texas Manual on Uniform Traffic Control Devices".

Cover or remove any work zone signs when work or condition referenced is not occurring.



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**Item 504. Field Office and Laboratory**

Furnish the following structures for this project:

<u>Type</u>	<u>No.</u>
Field Office (Ty. C)	1
Field Lab (Ty. D)	1

Furnish a copier and facsimile meeting the requirements of DMS-10101, "Computer Equipment".

Furnish the following for the Field Office structure:

<u>Item</u>	<u>No.</u>
Laptop Microcomputer	1
Printer	1
Internet Service	1
Microwave Oven	1
Wireless Router	1
Weekly janitorial Service	1
4 Drawer Locking File Cabinet	1
Water Cooler W/ Hot and Cold Dispenser	1
Refrigerator (Min. 10 CF)	1

Laptop Microcomputers shall have an Intel Pentium IV (1.5 GHz) processor, or better.

Integrated printer/copier/scanner/fax units will be permitted.

**Item 585. Ride Quality for Pavement Surfaces**

Use Surface Test Type B pay adjustment schedule 3 to evaluate ride quality of the travel lanes in accordance with Item 585, "Ride Quality for Pavement Surfaces."

**Item 3268. Dense-Graded Hot Mix Asphalt**

The use of a **warm mix additive** is required on this project.

Include the approved mix design number on each delivery ticket.

Use only fractionated RAP on this project.

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RAP aggregate must meet the requirements of Table 1.

Provide aggregate with a Surface Aggregate Classification value of B for the surface course of the travel lanes.

Provide PG70-22 asphalt for the surface course.

Provide the PG70-22 asphalt with any of the following modification alternates:

- \*PG64-22 modified with SBS at the refinery

- \*PG64-22 modified with SBR Latex at the Hot Mix Plant.

- \*AC-10 modified with SBR Latex at the Hot Mix Plant.

- \*PG64-22 modified with Crumb Rubber and Vestenamer (TOR) at the Hot Mix Plant.

When modified at the Hot Mix Plant, provide the PG 64-22 refinery certification.

Furnish a CSS-1H, SS-1H, or PG binder with minimum high-temperature grade of PG 58 for the tack coat binder in accordance with Item 300, "Asphalt, Oils, and Emulsions.

Use an Evothrm DAT Warm Mix Asphalt (WMA), a SASOBIT WMA, a Rediset WMX WMA, or an Advera WMA product additive for all mix applications. Delivery temperature shall be a maximum of 235° F. Delivery and roll out temperatures will be modified by the supplier and accepted by the engineer. All work related to WMA product additives is subsidiary to this item.

To produce an Evothrm WMA use Evothrm DAT or Evothrm 3G. Evothrm 3G is metered into the asphalt between 0.5% and 0.7% by total asphalt weight. Evothrm DAT, a chemical solution, is metered into the asphalt between 5.0% and 7.0% by total asphalt weight.

To produce a SASOBIT WMA, the mix production facility will receive SASOBIT from the solution supplier. SASOBIT is metered into the asphalt line at a rate of 1.5% by weight of total binder content.

To produce a Rediset WMX WMA, preblend with the asphalt or dose into the mixing drum via the RAP belt or port. Use 1.5% or 2.0% by weight of asphalt dependent upon the mix type.

To produce an Advera WMA, pre-blend with RAP or RAS, or dose into the mixing drum via the RAP belt or port. Use between 0.05% to 0.25% by weight of Advera WMA in the hot mix dependent upon the mix type and the supplier's recommendation." the mix production facility will receive Advera from the solution supplier.

An authorized representative of the WMA product additive supplier shall be present onsite during the first day of asphalt placement.

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Use the boil test, test method TEX-530-C, and provide mixes that only produce zero percent (0%) stripping for design verification and during production.

Include the approved mix design number on each delivery ticket.

**Item 6834. Portable Changeable Message Signs**

All portable changeable message signs and arrow panels are to be provided with a photoelectric device to allow for automatic dimming of operations to approximately 50% of their normal brightness when ambient light drops to approximately five footcandles, and then increase back again for daytime operations.

Two electronic portable changeable message sign unit(s) will be required. Individual or collective use of signs will be required by Engineer when deemed necessary to supplement the traffic control plan.

Each sign shall be programmed in its permanent memory the following 15 messages:

1. Ramp Closed Ahead
2. Use Other Routes
3. Right Lane
4. Left Lane
5. Closed Ahead
6. Two Lane
7. Detour Ahead
8. Thru Traffic
9. Prepare To Stop
10. Merging Traffic
11. Expect 15 Minute Delay
12. Max Speed \*\* MPH
13. Merge Right
14. Merge Left
15. No Exit Next \*\* Miles

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COUNTY : TARRANT

TEXAS DEPARTMENT OF TRANSPORTATION

**GOVERNING SPECIFICATIONS AND SPECIAL PROVISIONS**

ALL SPECIFICATIONS AND SPECIAL PROVISIONS APPLICABLE TO THIS PROJECT  
ARE IDENTIFIED AS FOLLOWS:

STANDARD SPECIFICATIONS: ADOPTED BY THE TEXAS DEPARTMENT OF  
----- TRANSPORTATION JUNE 1, 2004.  
STANDARD SPECIFICATIONS ARE INCORPORATED  
INTO THE CONTRACT BY REFERENCE.

ITEMS 1 TO 9 INCL., GENERAL REQUIREMENTS AND COVENANTS  
ITEM 351 FLEXIBLE PAVEMENT STRUCTURE REPAIR (132)(204)(247)(260)  
(263)(275)(276)(292)(310)(316)(330)(334)(340)  
ITEM 354 PLANING AND TEXTURING PAVEMENT  
ITEM 500 MOBILIZATION  
ITEM 502 BARRICADES, SIGNS, AND TRAFFIC HANDLING  
ITEM 504 FIELD OFFICE AND LABORATORY  
ITEM 662 WORK ZONE PAVEMENT MARKINGS (666)(668)(672)(677)  
ITEM 666 REFLECTORIZED PAVEMENT MARKINGS (316)(318)(662)(677)(678)  
ITEM 668 PREFABRICATED PAVEMENT MARKINGS  
ITEM 672 RAISED PAVEMENT MARKERS (677)(678)  
ITEM 680 INSTALLATION OF HIGHWAY TRAFFIC SIGNALS (610)(625)(627)  
(634)(636)(656)  
ITEM 690 MAINTENANCE OF TRAFFIC SIGNALS (416)(421)(476)(610)(618)  
(620)(622)(624)(625)(627)(628)(634)(636)(656)(680)(682)  
(684)(685)(686)(687)(688)

SPECIAL PROVISIONS: SPECIAL PROVISIONS WILL GOVERN AND TAKE  
----- PRECEDENCE OVER THE SPECIFICATIONS ENUMERATED  
HEREON WHEREVER IN CONFLICT THEREWITH.

REQUIRED CONTRACT PROVISIONS, FEDERAL-AID CONSTRUCTION CONTRACTS  
(FORM FHWA 1273, MAY, 2012)

WAGE RATES

SPECIAL PROVISION "NOTICE TO ALL BIDDERS" (000---003)  
SPECIAL PROVISION "NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO  
ENSURE EQUAL EMPLOYMENT OPPORTUNITY" (000---004)  
SPECIAL PROVISION "STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY

CONSTRUCTION CONTRACT SPECIFICATIONS" (000---006)

SPECIAL PROVISION "CERTIFICATION OF NONDISCRIMINATION IN EMPLOYMENT"  
(000---009)

SPECIAL PROVISION "DEPARTMENT DIVISION MAILING AND PHYSICAL ADDRESS"  
(000---011)

SPECIAL PROVISION "NOTICE OF CHANGES TO U.S. DEPARTMENT OF LABOR  
REQUIRED PAYROLL INFORMATION" (000--1483)

SPECIAL PROVISION "ON-THE-JOB TRAINING PROGRAM" (000--1676)

SPECIAL PROVISION "DISADVANTAGED BUSINESS ENTERPRISE IN FEDERAL AID  
CONTRACTS" (000--1966)

SPECIAL PROVISION "PARTNERING" (000--2329)

SPECIAL PROVISION "SCHEDULE OF LIQUIDATED DAMAGES" (000--2332)

SPECIAL PROVISION "NONDISCRIMINATION" (000--2607)

SPECIAL PROVISION TO ITEM 1 (001---015)

SPECIAL PROVISION TO ITEM 2 (002---017)

SPECIAL PROVISION TO ITEM 3 (003---033)

SPECIAL PROVISION TO ITEM 4 (004---017)

SPECIAL PROVISION TO ITEM 5 (005---004)

SPECIAL PROVISIONS TO ITEM 6 (006---030)(006---047)

SPECIAL PROVISION TO ITEM 7 (007---918)

SPECIAL PROVISION TO ITEM 8 (008---119)

SPECIAL PROVISIONS TO ITEM 9 (009---009)(009---015)

SPECIAL PROVISION TO ITEM 161 (161---006)

SPECIAL PROVISION TO ITEM 247 (247---033)

SPECIAL PROVISION TO ITEM 260 (260---003)

SPECIAL PROVISION TO ITEM 275 (275---003)

SPECIAL PROVISION TO ITEM 300 (300---039)

SPECIAL PROVISION TO ITEM 316 (316---016)

SPECIAL PROVISION TO ITEM 318 (318---010)

SPECIAL PROVISION TO ITEM 330 (330---001)

SPECIAL PROVISION TO ITEM 340 (340---003)

SPECIAL PROVISION TO ITEM 421 (421---035)

SPECIAL PROVISION TO ITEM 476 (476---003)

SPECIAL PROVISION TO ITEM 500 (500---011)

SPECIAL PROVISION TO ITEM 502 (502---033)

SPECIAL PROVISION TO ITEM 610 (610---015)

SPECIAL PROVISION TO ITEM 620 (620---001)

SPECIAL PROVISION TO ITEM 624 (624---014)

SPECIAL PROVISION TO ITEM 628 (628---003)

SPECIAL PROVISION TO ITEM 636 (636---014)

SPECIAL PROVISION TO ITEM 672 (672---034)

SPECIAL PROVISION TO ITEM 682 (682---003)

SPECIAL PROVISION TO ITEM 685 (685---014)

SPECIAL PROVISION TO ITEM 687 (687---004)

SPECIAL PROVISION TO SPECIAL SPECIFICATION ITEM 1122 (1122--001)

SPECIAL PROVISION TO SPECIAL SPECIFICATION ITEM 6834 (6834--002)

SPECIAL SPECIFICATIONS:

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ITEM 1122 TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL  
CONTROLS (161)(432)(556)

ITEM 3268 DENSE-GRADED HOT-MIX ASPHALT (300)(301)(320)(520)(585)

ITEM 6006 SPREAD SPECTRUM RADIOS FOR TRAFFIC SIGNALS  
ITEM 6834 PORTABLE CHANGEABLE MESSAGE SIGN  
ITEM 8615 RADAR ADVANCE DETECTION DEVICES  
ITEM 8825 RADAR PRESENCE DETECTION DEVICES (INSTALLATION ONLY)

GENERAL: THE ABOVE-LISTED SPECIFICATION ITEMS ARE THOSE UNDER WHICH  
----- PAYMENT IS TO BE MADE. THESE, TOGETHER WITH SUCH OTHER  
PERTINENT ITEMS, IF ANY, AS MAY BE REFERRED TO IN THE ABOVE-  
LISTED SPECIFICATION ITEMS, AND INCLUDING THE SPECIAL  
PROVISIONS LISTED ABOVE, CONSTITUTE THE COMPLETE SPECIFI-  
CATIONS FOR THIS PROJECT.

**SPECIAL PROVISION  
TO  
SPECIAL SPECIFICATION  
6834--002  
Portable Changeable Message Sign**

For this project, Special Specification Item 6834, “Portable Changeable Message Sign,” is hereby amended with respect to the clauses cited below, and no other clauses or requirements of this Item are waived or changed hereby.

**Article 2. Materials, Section A. Minimum Luminance Requirements,** is voided and not replaced.

**Article 2. Materials, Section C. Changeable Message Sign.** The second paragraph is voided and replaced by the following:

Provide a sign with 3 separate lines of text and 8 characters per line minimum. Provide a minimum 18 in. character height. Provide a 5 x 7 character pixel matrix. Provide a message legibility distance of 600 ft. for nighttime conditions and 800 ft. for normal daylight conditions. Provide for manual and automatic dimming light sources.